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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/824,263	04/13/2004	Siddhartha Gaur	17133.002002	6517

7590 03/20/2009  
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EXAMINER
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HENDRICKSON, STUART L

ART UNIT	PAPER NUMBER
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1793

MAIL DATE	DELIVERY MODE
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03/20/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/824,263	<b>Applicant(s)</b> GAUR ET AL.	
	<b>Examiner</b> Stuart Hendrickson	<b>Art Unit</b> 1793	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 January 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-100 and 102-112 is/are pending in the application.
- 4a) Of the above claim(s) 1-30, 73-100 and 102-112 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 31-72 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

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The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action. The RCE filed 1/1/209 is accepted.

Claims 31-72 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ubbelohde 4213956.

The reference teaches in col. 5 and 6 carbonizing two carbon sources, with shaping. Graphitization is optional. No differences are seen in the product; the reference is not obligated to show the process steps of a product-by-process claim, see also col. 7.

Claims 31-72 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Morgan 3867499.

The reference teaches in col.4-5 carbonizing two carbon sources (one being the additive), with shaping and void collapse. Column 2 teaches graphitization as optional. No differences are seen in the product; the reference is not obligated to show all the process steps of a product-by-process claim.

Claims 31-72 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tither et al. article.

Tither teaches, especially on pgs. 644 and 650-652, carbon material made at 500 degrees and containing various kinds of carbon bonding. No difference is seen in the product, since these features correspond to what the invention is said to be.

Claims 31-72 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Tanabe et al. article.

The reference, available Dec. 1999, teaches carbon alloys as a new concept in 1992. No difference is seen in the materials discussed versus those claimed.

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Applicant's arguments filed 1/12/09 have been fully considered but they are not persuasive.

The references applied need not graphitize, and the claims do not exclude graphite. Indeed, graphitic bonding appears required by the claims. Arguments to process steps are thus not persuasive as to the product claims; the term 'molded' does not require anything particular nor is it seen why a flat structure (ie, film) is inapposite to 'molded'. Previous arguments apply.

Any inquiry concerning this communication should be directed to examiner Hendrickson at telephone number (703) 308-2539.

/Stuart Hendrickson/  
examiner Art Unit 1793